

Colorado Department of Public Health and Environment

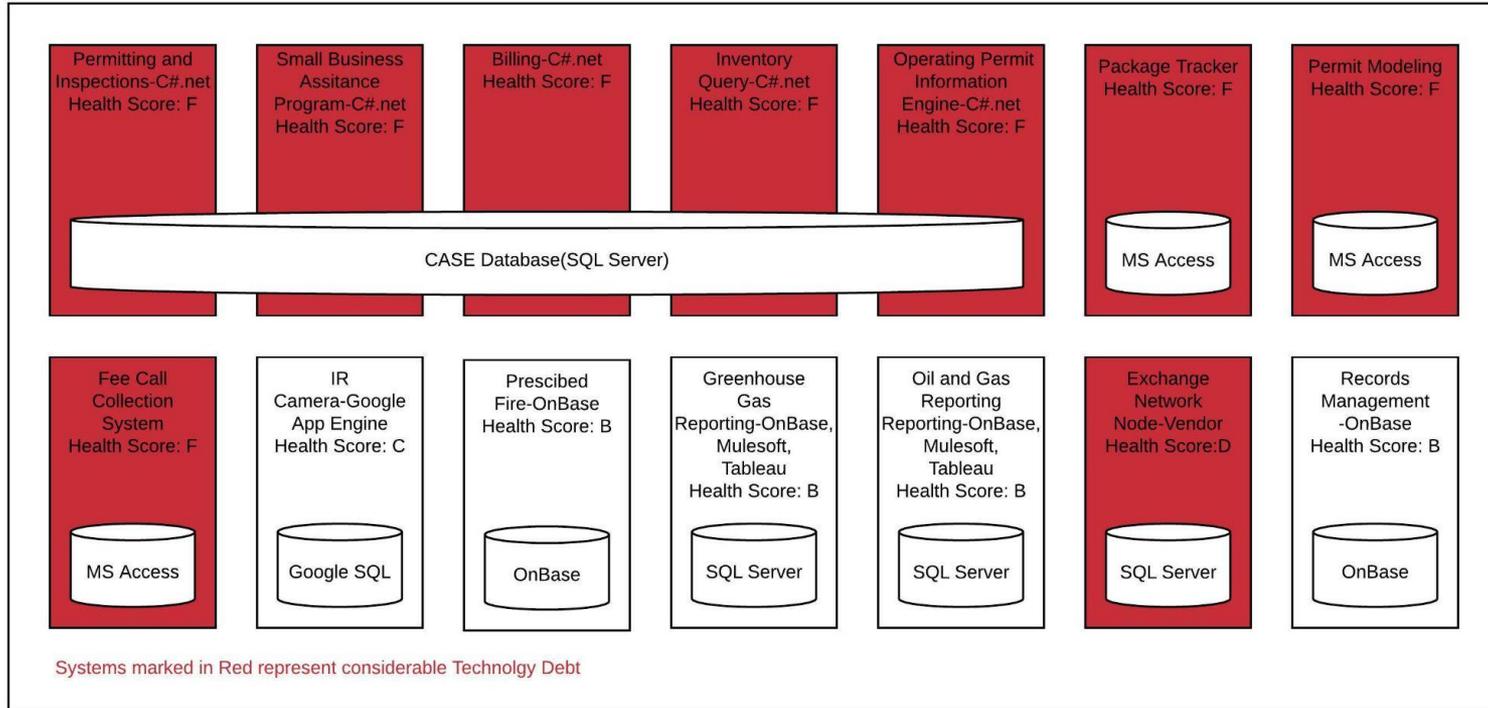
IT Modernization to Support our Air Quality Goals

Joint Technology Committee
June 15, 2022

Stationary Sources System Project Summary

- A capital IT project to modernize the outdated stationary sources data system used by CDPHE, Air Pollution Control Division (APCD).
 - FY23: Year 1 of 3, \$4.1M funding
- The Stationary Sources database is the primary technology tool used by CDPHE/APCD to manage permitting, inspections, enforcement, compliance, billing, emissions and data reporting associated with stationary sources
- The system scope is broad with 2,500 companies and 14,000 facilities
- Stationary source regulated entities include oil and gas, power utilities, manufacturing, construction, landfills, agriculture, mining and retail (e.g., gas stations, dry cleaners)
- The Stationary Sources Database is an outdated technology – (developed in the mid-1990's)
- The system is paper-based, inefficient, lacks critical functionality and agility

Current Stationary Sources Technology Footprint



Hiring Update and Discussions with OIT/CDS

Staffing & Hiring

CDPHE - Additional Support from current Data Manager position

CDPHE - Product Owner Role Position Description drafted

CDPHE Data Visualization Specialist Role Position Description drafted

OIT - OIT Project Manager assigned to project

OIT - Securing support and work by Systems and Data Architects

Met with Colorado Digital Services in April, 2022

Comfortable with CDPHE direction and not directly involved at this time

Will continue to assess and will seek CDS involvement if needed (assess in fall and winter 2022)

Process Prioritization for FY23

System Evaluation Factors

Volume Received (Permits, Reports, Complaints)

Complexity

External Impact

Workload Impact

Need for an External Login

Need to take payments

Community Engagement (Public Comment)

Information Submitted to EPA

Condition of Current System

Agency Backlogs

Prioritization of Workflows

Priorities for the year 1 build identified thus far include:

Major Source/Title 5 Permitting

General Permitting

Construction Permitting

(These include stakeholder engagement, public access of records)

Stakeholder Engagement

Building from prior learning

Standing stakeholder group specific to Stationary Sources has been involved and providing feedback for years

Informed by learning from this past year on workflows

Informed by division commitment to improve communication and engagement, including service to disproportionately impacted communities

Vision for FY23 to have communities, stakeholders and regulated entities help CDPHE scope the design

Project Activities

Review of Other State Systems and Other States' Workflows

- CDLE's Salesforce implementation

- AWS Data Lake House Proof of Concept in process

- Greenhouse Gas Reporting, Oil and Gas Reporting, Prescribed Fire Permitting in OnBase

- Informational interviews with other states on the Title V workflow and processes

Building staff capacity to inform system design and use system

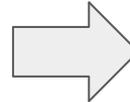
- Training on AWS Data Lake House implementation

Development of Capital Development request for FY24

Project Examples -Colorado Environmental Online Services

Air Pollutant Emission Notice (APEN) – and – Application for Construction Permit OIL AND GAS EXPLORATION AND PRODUCTION CONDENSATE STORAGE TANK BATTERY

Current Status (Check all that apply) AIRS ID #: <u>Pending 123/8918/0001</u>		Reason for APEN Submittal (Check all that apply)	
<input checked="" type="checkbox"/>	New or previously unreported battery	<input type="checkbox"/>	APEN update only ⁴
<input type="checkbox"/>	Previously grandfathered battery ²	<input type="checkbox"/>	Modification to existing source ⁵
<input checked="" type="checkbox"/>	Synthetic minor facility	<input checked="" type="checkbox"/>	Registration for coverage under general permit no. GP01 and cancellation request for individual permit ⁶ :
<input checked="" type="checkbox"/>	Located in the 8-hr Ozone Control Area ³	<input type="checkbox"/>	Application for or Modification of an individual permit
<input checked="" type="checkbox"/>	Registered under general permit no. GP01	<input type="checkbox"/>	Administrative permit amendment ⁷
<input type="checkbox"/>	Permitted under individual permit:	<input type="checkbox"/>	Other:
For individual permit applications, check if you want ⁸ :		<input type="checkbox"/> A copy of the preliminary analysis conducted by the Division	
		<input type="checkbox"/> To review a draft of the permit prior to issuance	
Company Name ⁹ :	<u>Petroleum Development Corporation</u>	OGCC Operator #:	<u>69175</u>
Mailing Address ¹⁰ :	<u>1775 Sherman Street, Suite 3000</u>		
City:	<u>Denver</u>	State:	<u>CO</u> Zip: <u>80203</u> E-mail: <u>jpote@petd.com</u>
Contact Name:	<u>Jeff Pote, Production Technician</u>	Phone:	<u>(303) 860-5800</u> Fax: <u>(303) 860-5838</u>
Tank Battery Name ¹¹ :	<u>Wells Ranch 33, 34, 43, 44-12 & 12D</u>	Number of tanks:	<u>2</u>
Location ¹² (QQ Sec. Twp. Range.):	<u>NW SE Sec. 12 T5N R63W</u>	County:	<u>Weld</u> Total tank capacity [bb]: <u>800</u>
Calendar year for which "Actual" data applies ¹³ :	<u>2010</u>	Year(s) tank(s) were placed in service ¹⁴ :	<u>2010</u>
Control Description ¹⁵ :	<u>Combustor</u>	Control Efficiency ¹⁶ :	<u>95%</u>
Condensate Throughput ¹⁷ [bb]/year	<u>Requested¹⁸: N/A</u>	Maximum for PTE calculation ¹⁹ :	<u>50,352</u>



APEN Application

Approved

Facility: PDC Wells Ranch 33, 34, 43, 44-12 & 12D
(57793) APEN - Condensate Storage Tanks
Submitted by: Laura Pritchard On 04/21/2022 (Timespan: 34 Business Days)
Address: NWSE Sec. 12-T5N-R63W,
Description: Submittal for Update only - GP01 N/A

Owner: Laura Pritchard
Sub Type: Online
Required Documents: 0 (Non-Review: 0)
Total Amount: \$0.00 (Due: \$0.00)
Current Reviewer(s):

Edit Comment Save Save & Close Next Close Printable View

Section 01 – Requested Action

NEW permit OR newly-reported emission source
- OR -
 MODIFICATION to existing permit (check each box below that applies)
- OR -
 APEN submittal for update only (Note blank APENs will not be accepted)
- ADDITIONAL PERMIT ACTION(S) -
 APEN submittal for permit exempt/grandfathered source
 Limit Hazardous Air Pollutants (HAPs) with a federally-enforceable limit on Potential To Emit (PTE)

Additional Information & Notes:

Permit Number: GP01

Emission Source AIRS ID: 123 / 8918 / 001 [Leave blank unless APCD has already assigned a permit # & AIRS ID]

Section 02 – Administrative Information

* System Facility Name:
PDC Wells Ranch 33, 34, 43, 44-12 & 12D (Laura Pritchard)

Program Facility ID:

Mailing Address 1:
1775 SHERMAN ST Mailing Address 2:
SUITE 3000

County: City: DENVER State: CO Zip: 80203

NAICS or SIC Code:
1 - 1 of 1 displayed, total item(s)

Edit	Delete	SIC Code	Description
		1321	Natural gas liquids

Project Examples - Greenhouse Gas Reporting

OLORADO
New Form - Google Chrome
oitcout1.hylandcloud.com/CDPHEGHGExternalAccess/NewUnityForm.aspx

CDPHEGHG Greenhouse Gas Reporting Form



COLORADO

Air Pollution Control Division

Department of Public Health & Environment

Company Representative/ Responsible Official Information

*By submitting this form, you are certifying that you are an authorized representative of the entity listed below, and the information provided is true and accurate to the best of your knowledge.

Name*
Amber Hudson

Title*

Phone Number

Email*
arh415@yahoo.com

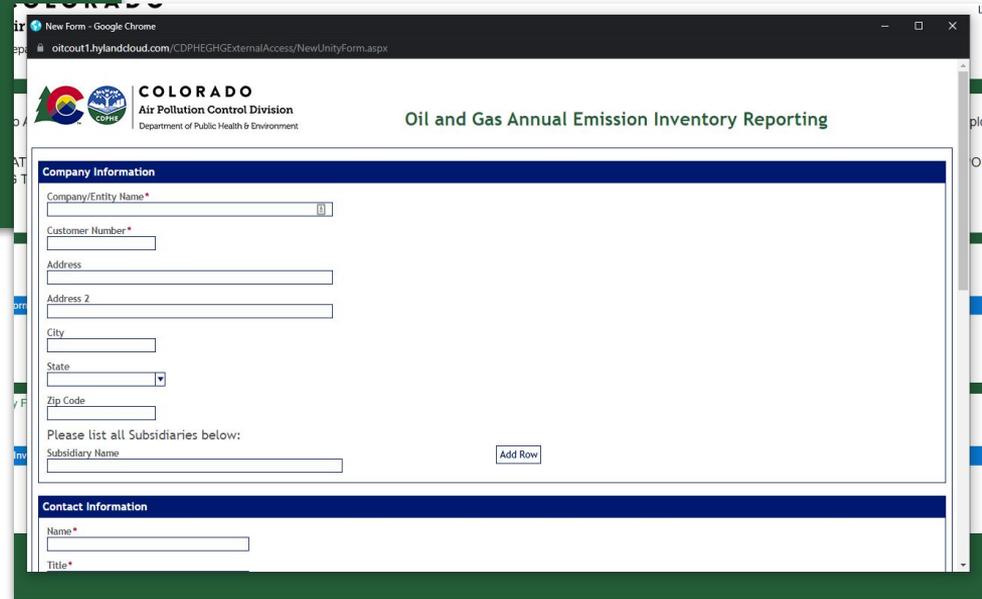
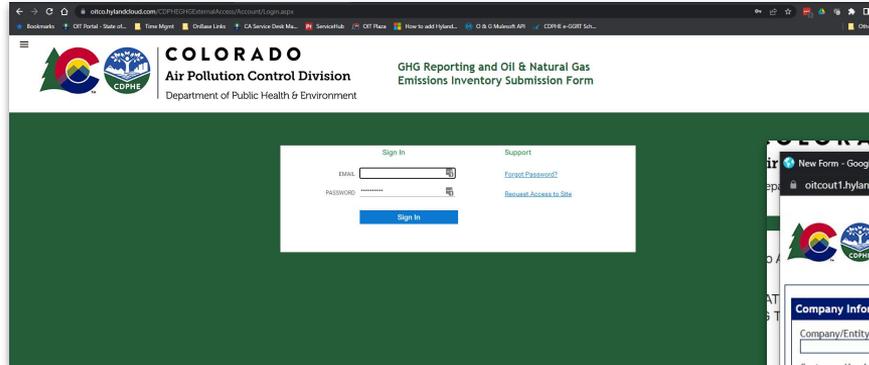
Date
06/09/2022

Reporting Month Beginning
01 - Jan

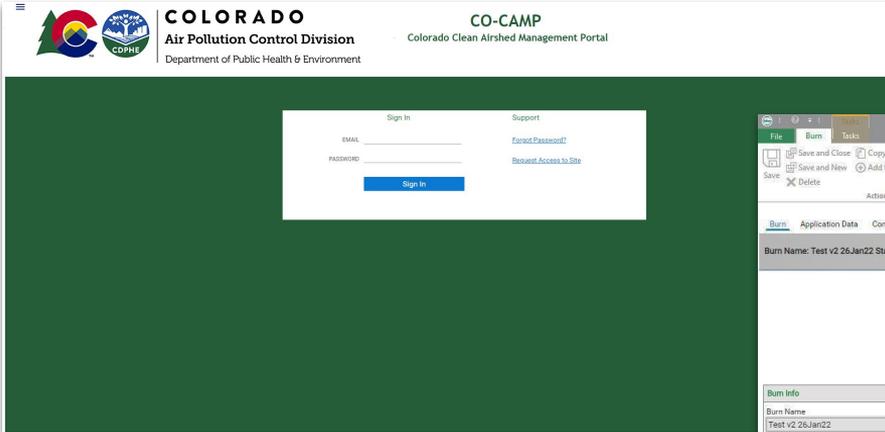
Reporting Month End
12 - Dec

Reporting Year*

Project Examples - Oil and Gas Reporting



Project Examples - Controlled Burn Permitting



The screenshot shows the CO-CAMP portal burn permit details page. The page title is "COLORADO Air Pollution Control Division" and "CO-CAMP Colorado Clean Airshed Management Portal". Below the title, there is a "Burn Info" section with the following information:

Burn Info	
Burn Name	Test v2 26Jan22
Full Permit Number	FCS-22-136
Burn Type	File
Standard/Nonstandard	Standard
Agency ID	FCS
Status	Permit Execution
Assignment	BLEBEDA@DPHE.STATE.CO.US
Approval 1	BLEBEDA@DPHE.STATE.CO.US
Approval 2	
Status	Permit Execution
Approval 2 Required	<input type="checkbox"/>
Complete Date	
Received Date	1/26/2022
District/Zone	N/A
Permit Year	2022
Project City	N/A
Project State	CO
Project Zip	

Thank you!

Erick Scheminske, Director of Business Operations, CDPHE

Jim Reasor, Deputy Director, Air Pollution Control Division, CDPHE

Andrew Putnam, Environmental Information Manager, CDPHE

Kris Kiburz, Sr. IT Director, OIT

Proposed Architecture of the Air Stationary Sources Solution

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